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| (21) International Application Number: PCT/US97/10486 (22) International Filing Date: 17 June 1997 (17.06.97) (30) Priority Data: 60/019,808 17 June 1996 (17.06.96) US (71) Applicant (for all designated States except US): FOX CHASE CANCER CENTER [US/US]; 7701 Burhome Avenue, Philadelphia, PA 19111 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): TSICHLIS, Philip [US/US]; 50 Brentwood Avenue, Willow Avenue, PA 19090 (US). GRIMES, H., Leighton, III [US/US]; Apart- ment 22, 1 Christian Street, Philadelphia, PA 19147 (US). ZWEIDLER-McKAY, Patrick [US/US]; 2nd floor, 66 Cameron Avenue, West Somerville, MA 02144-2404 (US). (74) Agents: REED, Janet, E. et al.; Dann, Dorfman, Herrell & Skillman, Suite 720, 1601 Market Street, Philadelphia, PA 19103 (US). | | (81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> |
| (54) Title: NUCLEIC ACID MOLECULE FOR ENHANCING GENE EXPRESSION | | |
| (57) Abstract Novel nucleic acid molecules are provided comprising a mutated promoter sequence, preferably a mutated human cytomegalovirus promoter sequence, which is no longer recognized by the Gfi-1 transcriptional repressor. Loss of repressor recognition results in augmented gene expression in recombinant vectors containing this promoter. The promoter may be used to enhance production levels of clinically beneficial proteins in cells transformed therewith. These vectors can be used for the generation of constructs for use in gene therapy and as DNA vaccines. | | |